

Practical 9

Aim: Add and Remove constraint

(1) Add primary key constraint on job_id in job table.

Query: alter table job add constraint pk_id primary key(job_id)

Output:

User: 22DCE006

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```
alter table job add constraint pk_id primary key(job_id)
desc job
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **JOB**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
JOB	JOB_ID	Varchar2	15	-	-	1	-	-	-
	JOB_TITLE	Varchar2	30	-	-	-	✓	-	-
	MIN_SAL	Number	-	7	2	-	✓	-	-
	MAX_SAL	Number	-	7	2	-	✓	-	-

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(2) Add foreign key constraint on employee table referencing job table.

Query: alter table employee add constraint fk_emp foreign key(job_id) references job(job_id)

Output:

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```
alter table employee add constraint fk_id foreign key(job id) references job(job id);
```

Results Explain Describe Saved SQL History

Table altered.

(3) Add composite primary key on lock table (lock table does not exist, while creating table add composite key)

Query: create table lock1(s_id number(10),fname varchar2(10) , lname varchar2(10) , primary key(s_id,fname))

Output:

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```
create table lock1(s_id number(10),fname varchar2(10) , lname varchar2(10) , primary key(s_id,fname))
```

Results Explain Describe Saved SQL History

Table created.

0.01 seconds

(4) Remove primary key constraint on job_id

Query: alter table employee drop constraint fk_id

Output:

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```
alter table employee drop constraint fk_id
```

Results Explain Describe Saved SQL History

Table dropped.

0.01 seconds

(5) Remove foreign key constraint on employee table

Query: alter table job drop constraint pk_id

Output:

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```
alter table job drop constraint pk_id
```

Results Explain Describe Saved SQL History

Table dropped.

0.04 seconds

Conclusion: From this practical I learned about adding and removing primary key and foreign keys.

Staff Signature:

Grade:

Remarks by the Staff: